	Application No.	Applicant(s)
	• •	
Notice of Allowability	09/991,911 Examiner	AKIYOSHI ET AL.  Art Unit
	Wenpeng Chen	2624
The MAILING DATE of this communication apperation apperation allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due course. <b>THIS</b>
1. $\boxtimes$ This communication is responsive to <u>amendments filed on</u>	<u>6/2/2006</u> .	
2. A The allowed claim(s) is/are 1-13, 15-16, and 18-21 (now re	numbered as 1-3, 5-7, 9-17, 4, 8, 18	3, and 19, respectively).
3. ☑ Acknowledgment is made of a claim for foreign priority un  a) ☑ All b) ☐ Some* c) ☐ None of the:  1. ☑ Certified copies of the priority documents have	been received.	
2. Certified copies of the priority documents have been received in Application No		
<ol> <li>Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).</li> </ol>		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give		
<ol> <li>CORRECTED DRAWINGS (as "replacement sheets") mus</li> <li>(a) ☐ including changes required by the Notice of Draftspers</li> <li>1) ☐ hereto or 2) ☐ to Paper No./Mail Date</li> <li>(b) ☐ including changes required by the attached Examiner's</li> </ol>	on's Patent Drawing Review ( PTO-	,
Paper No./Mail Date  Identifying Indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the		
DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I	sit of BIOLOGICAL MATERIAL n	nust be submitted. Note the
Attachment(s)  1. ☐ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 4/28/2006  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summary Paper No./Mail Dat 8), 7. ☒ Examiner's Amendn 8. ☒ Examiner's Stateme	e nent/Comment  nt of Reasons for Allowance  Very U
		Wenpeng Chen Primary Examiner

Application/Control Number: 09/991,911 Page 2

Art Unit: 2624

## Examiner's Amendment/Statement

1. The amendments filed on 6/2/2006 overcome the following set forth in paper #20060130 mailed on 2/2/2006:

- -- rejections to Claims 1-3, 15, 18, and 21 under 35 U.S.C. 112, second paragraph;
- -- all rejections based on the cited prior arts.

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Ralph A. Dowell on 7/31/2006.

3. The application has been amended as follows:

## In claims

- -- Replace Claim 20 with the follows:
- 20. The data medium according to Claim 16, wherein said intermediate image does not relate to a known frame between said first image and said second image.

Application/Control Number: 09/991,911 Page 3

Art Unit: 2624

## Examiner's Statement of Reasons for Allowance

4. Claims 14 and 17 are canceled by the applicants.

5. Claims 1-13, 15-16, and 18-21 (now renumbered as 1-3, 5-7, 9-17, 4, 8, 18, and 19, respectively) are allowed.

The following is an examiner's statement of reasons for allowance. The prior art fails to teach the methods of Claims 1 and 21, the apparatus of Claim 5, the medium of Claim 15, which specifically comprise the following features in combination with other recited limitations:

- -- computing a matching between the first image and the second image by detecting corresponding points which correspond between the images as recited;
- -- quantizing the range of attribute values of the corresponding points in the first image and second image in a relatively coarse manner as recited;
- -- calculating difference data on the attribute values of the corresponding points based on the quantized range of attribute values as recited.

The following is an examiner's statement of reasons for allowance. The prior art fails to teach the methods of Claim 4, the apparatus of Claim 7, the medium of Claim 16, which specifically comprise the following features in combination with other recited limitations:

- -- generating a corresponding point file based on the matching, where the corresponding point file comprises positional information on the corresponding points and difference data on attribute values of the corresponding points as recited;
- -- wherein the difference data of attribute values comprises data obtained by quantizing the range of attribute values of the points which correspond in a relatively coarse manner and calculating difference data on the corresponding points based on the quantized range of attribute values of the corresponding points.

Application/Control Number: 09/991,911 Page 4

Art Unit: 2624

6. Any comments considered necessary by applicant must be submitted no later than

the payment of the issue fee and, to avoid processing delays, should preferably accompany the

issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Conclusion

7. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Wenpeng Chen whose telephone number is 571-272-7431. The

examiner can normally be reached on 8:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Matthew Bella can be reached on 571-272-7778. The fax phone numbers for the

organization where this application or proceeding is assigned are 571-273-8300 for regular

communications and 571-273-8300 for After Final communications. TC 2600's customer service

number is 571-272-2600.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is 571-272-2600.

Wenpeng Chen Primary Examiner

Art Unit 2624

August 1, 2006

Wen, u